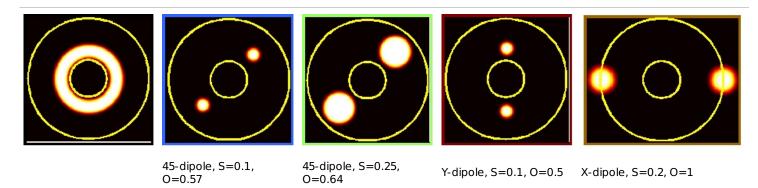
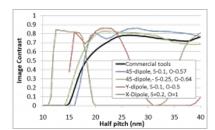
## The World's Highest Resolution Projection EUV Lithography Tool

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The SEMATECH-Berkeley MET achieves its world leading performance through the precise manipulation of illumination coherence. Through the use of the unique scanner module and undulator radiation from the <u>ALS</u>, lossless variable illumination can be achieved in patterns such as those pictured here.

## **Synthesized Pupil Fill Functions**





This coherence control has been demonstrated experimentally at the BMET, as can be seen by comparing the predicted aerial images with actual printing results:



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